

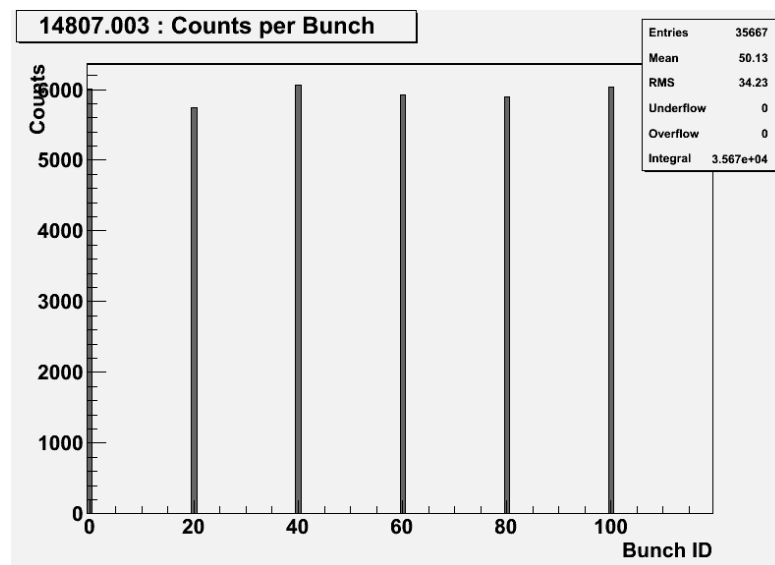
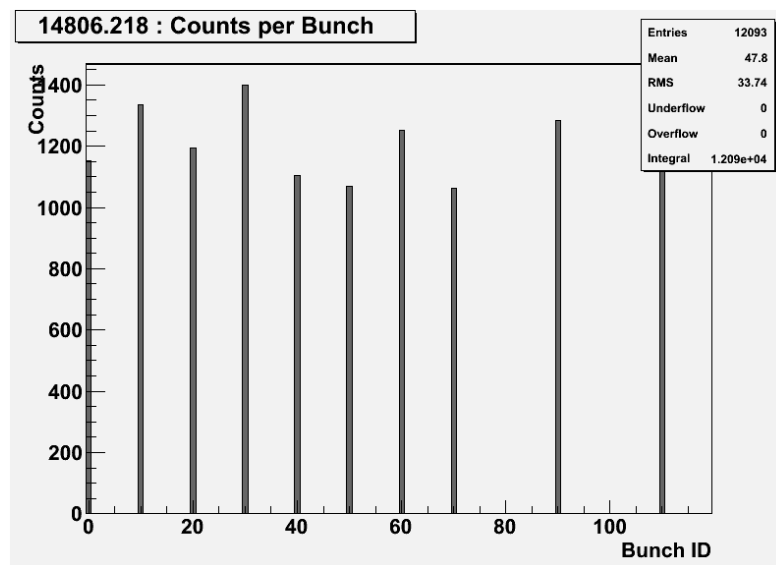
# **RHIC p-Carbon Polarimeter**

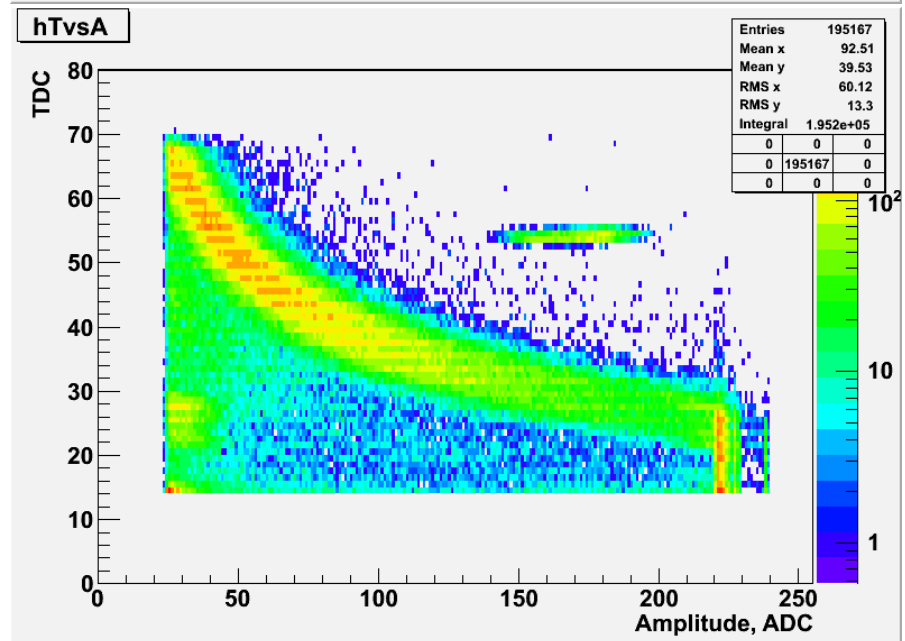
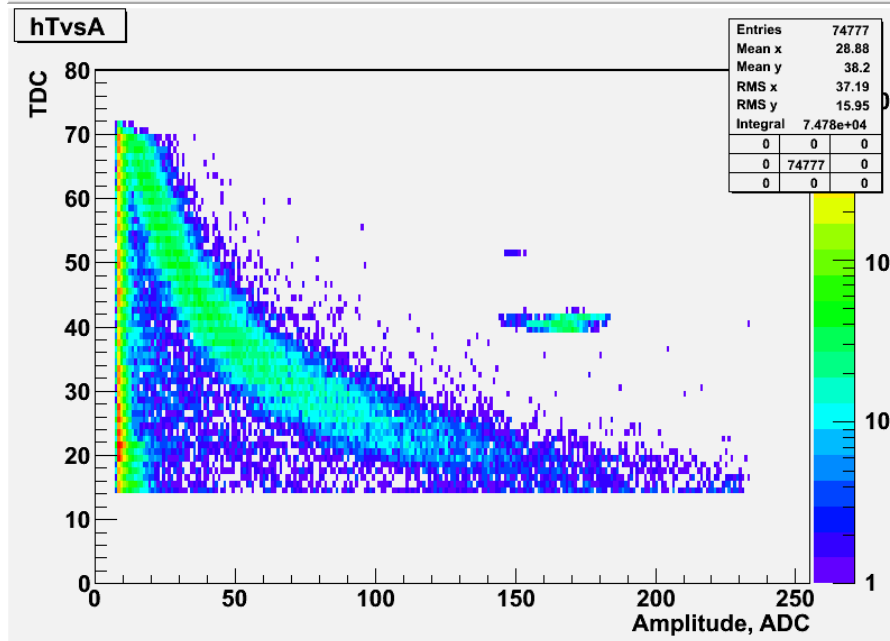
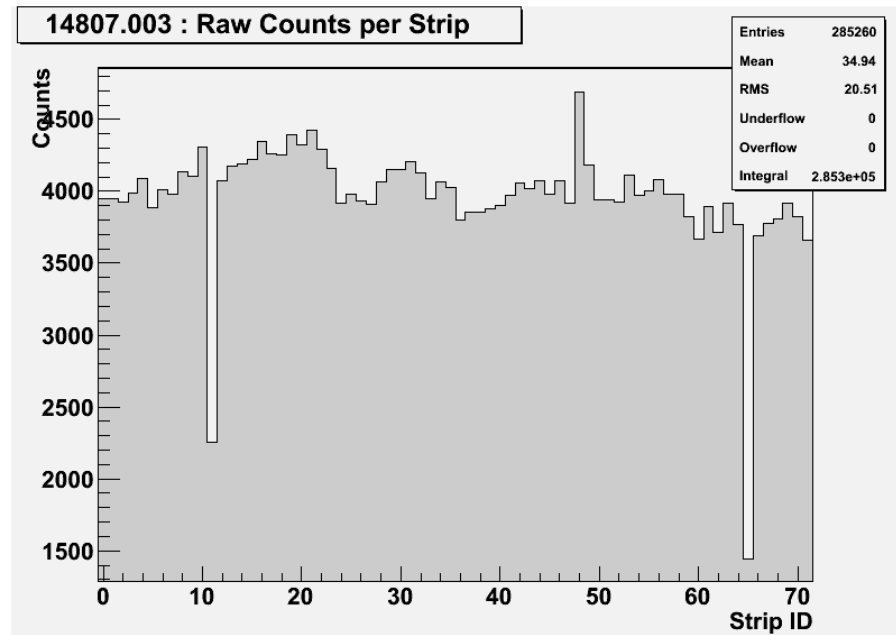
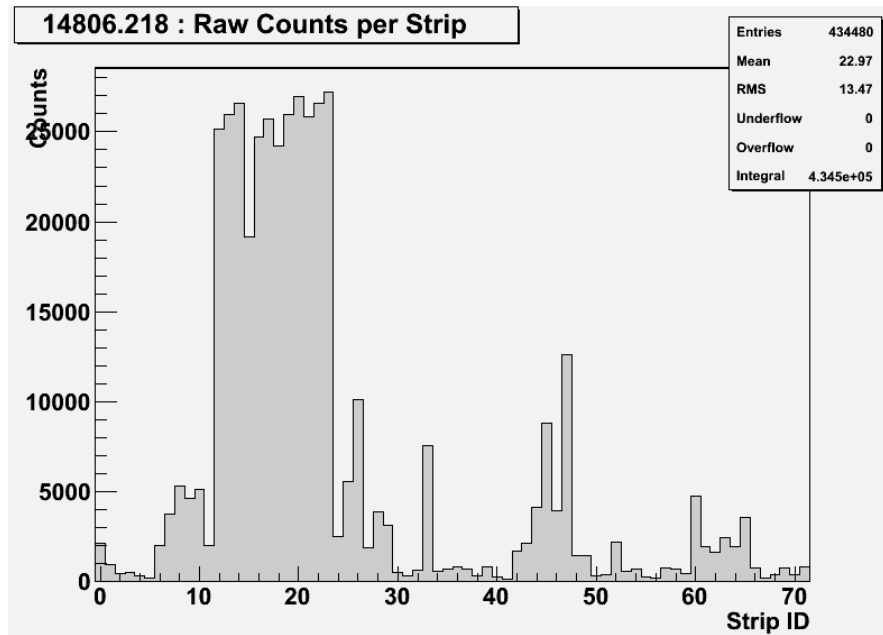
## **Status Report**

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RHIC Spin Group, BNL

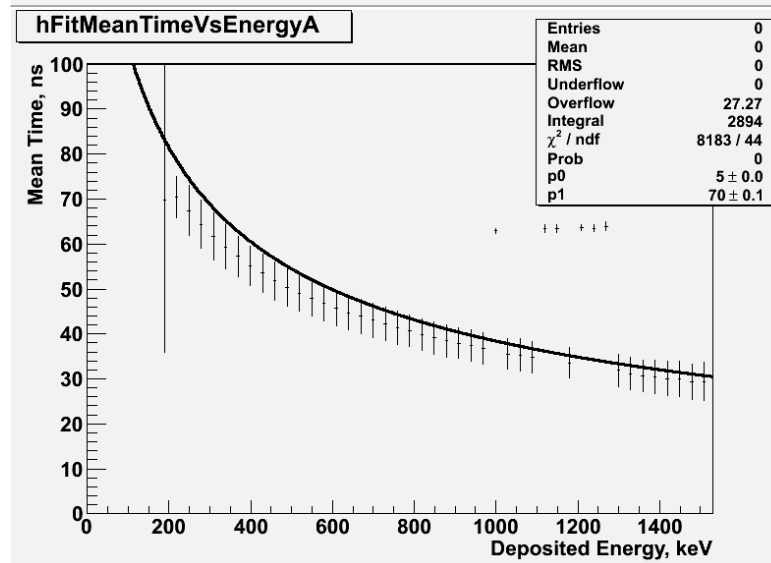
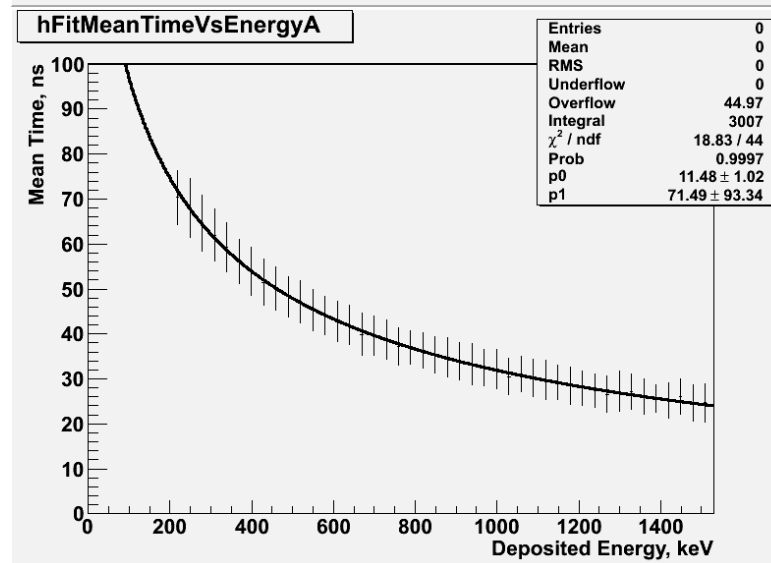
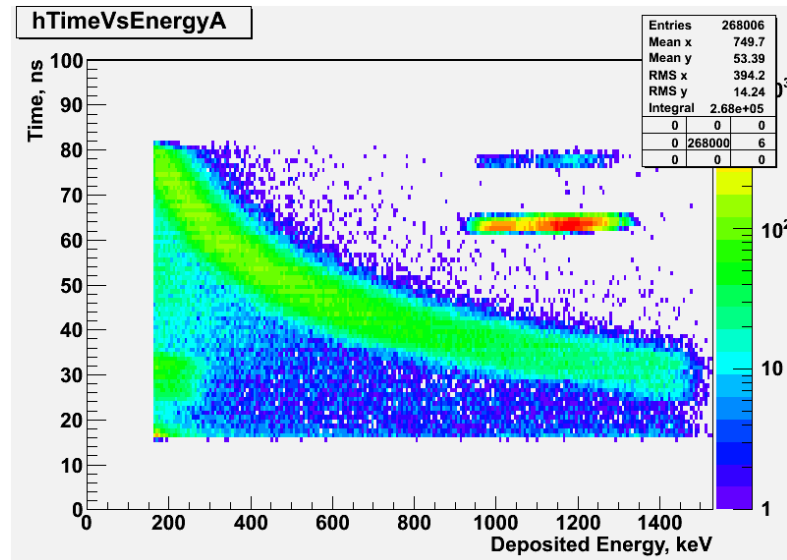
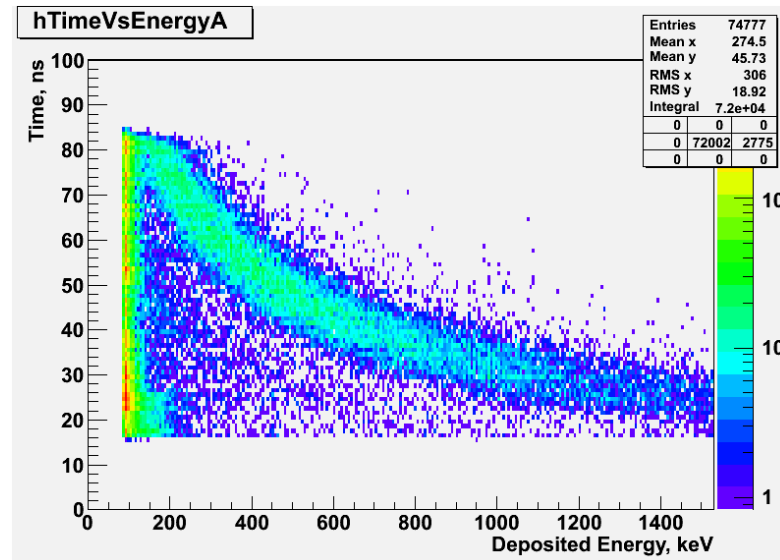
January 13, 2011

- Blue-2, Run 14806.218, Horizontal target 1
- Blue-1, Run 14807.003, Vertical target 1
- Running conditions:
  - Dead layer and  $t_0$  values are guessed and same for all channels
  - The distance to detectors (TOFLength) is not set correctly (also used in offline)
  - Blue-2: Lower carbon energy threshold  $E_{\text{trig}} = 200$  keV
  - Blue-1: Adjusted carbon energy threshold  $E_{\text{trig}} = 270$  keV

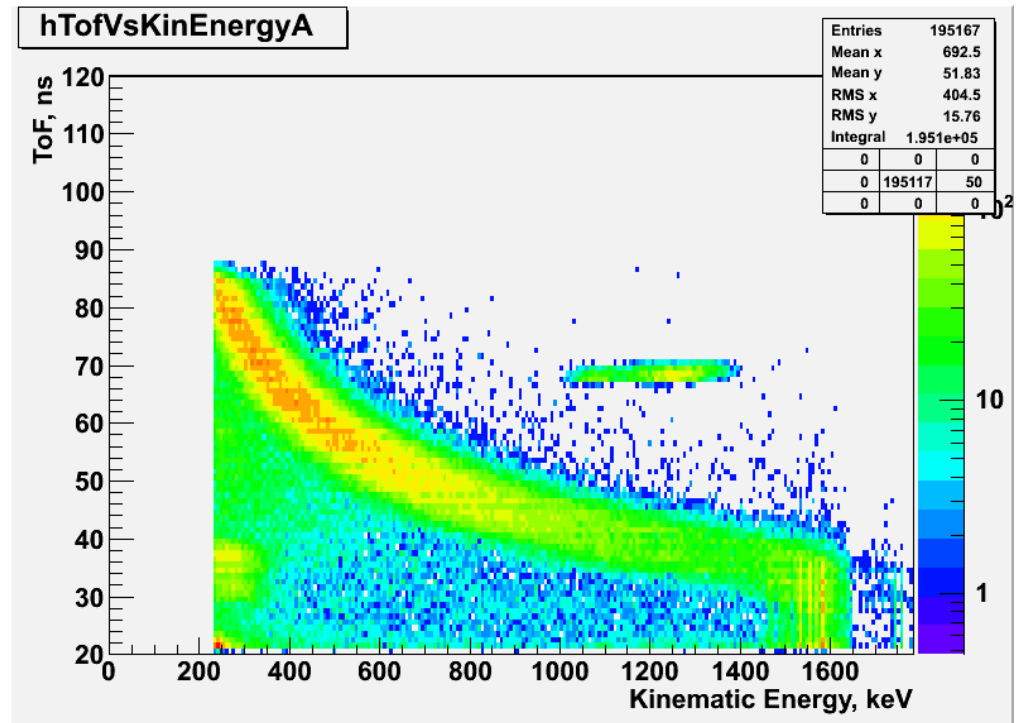
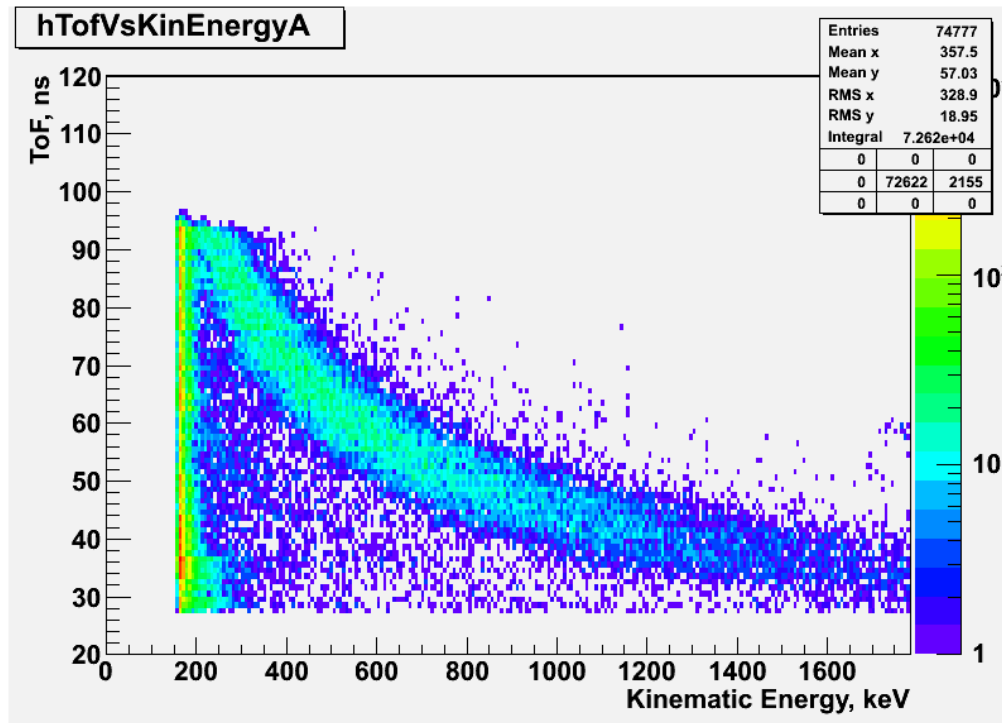




- Offline fit needs proper online parameters– TOFLength



- Upstream and downstream have different dynamic ranges



# Conclusions

- We see the bananas!
- No data from channels 12 and 66 in Blue-1
- Offline fit fails with incorrect TOF length (expected)
- Need to fit the available data and feed  $t_0$  and the dead layer back to online
- Take more runs. . .
- Finer tuning in time and energy might be possible